

New nucleic acid encoding moth allergens, related polypeptides and antibodies, useful in the diagnosis and treatment of arthropod allergies**Publication number:** DE10041541 (A1)**Also published as:****Publication date:** 2002-03-14

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Applicant(s): DUCHENE MICHAEL [AT]**Classification:****- International:** A61P37/08; C07K14/435; C12N15/12; C12N15/13; A61K39/00;
A61P37/00; C07K14/435; C12N15/12; C12N15/13; A61K39/00;
(IPC1-7): C07K16/00; A61K38/17; C07H21/00; C07K14/435;
C12N15/13; C12N15/63**- European:** C07K14/435A; C07K14/435A4**Application number:** DE20001041541 20000824**Priority number(s):** DE20001041541 20000824**Abstract of DE 10041541 (A1)**

A nucleic acid (I) encoding an allergenic polypeptide (II), is new. A nucleic acid (I) encoding an allergenic polypeptide (II) comprises: (a) a sequence (1; 1294 bp), (3; 1092 bp), (5; 2230 bp) or (7; 1076 bp), fully defined in the specification, or their fragments that encode an allergenic determinant; (b) an equivalent of (a) within the degeneracy of the genetic code; (c) a sequence with over 80% identity with (a) or (b) above; or (d) a sequence that hybridizes to (a)-(c) above under stringent conditions.; Independent claims are also included for the following: (1) nucleic acid (Ia) that encodes a protein (2; 355 amino acids (aa)), (4; 285 aa), (6; 705 aa) or (8; 254 aa), fully defined in the specification; (2) recombinant nucleic acid (Ib) that (i) encodes a polypeptide having the antigenicity of (2), (4), (6) or (8), and derived from arthropods or (ii) hybridizes to (i) under stringent conditions; (3) vector containing (I)- (Ib), linked to expression control elements; (4) cell transformed with (I)-(Ib) or the vector of (c); (5) (II) or polypeptides (IIa) immunologically cross-reactive with them; (6) antibodies (Ab) against (II) or (IIa); (7) pharmaceutical composition containing any of (I)-(Ib), the vector of (c) or cell of (d), (II), (IIa) or Ab; (8) method for diagnosing allergy to arthropods; and (9) an allergen that is an arginine kinase.

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